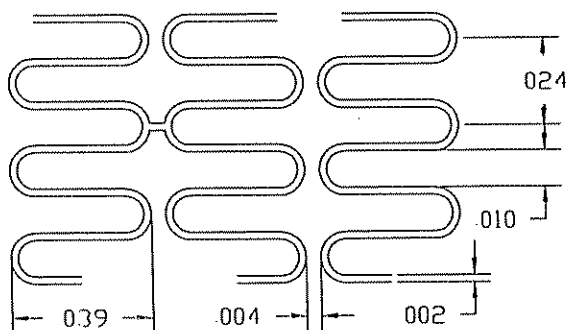
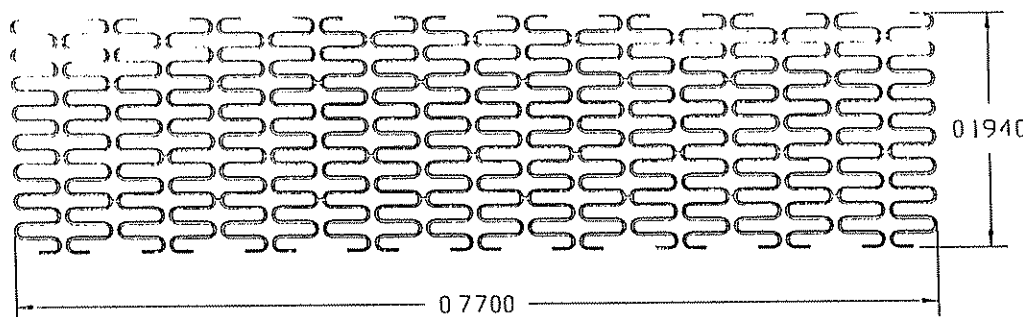


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June 5,
1990

Zig-Zag Ring Pattern for Etching Metal Tubes.

The following is a pattern for a stent to be etched from .060" O.D. x .056" I.D. 316L stainless steel tubes using the laser ablation of Photo-Resist technique.

The sketch below shows a flattened

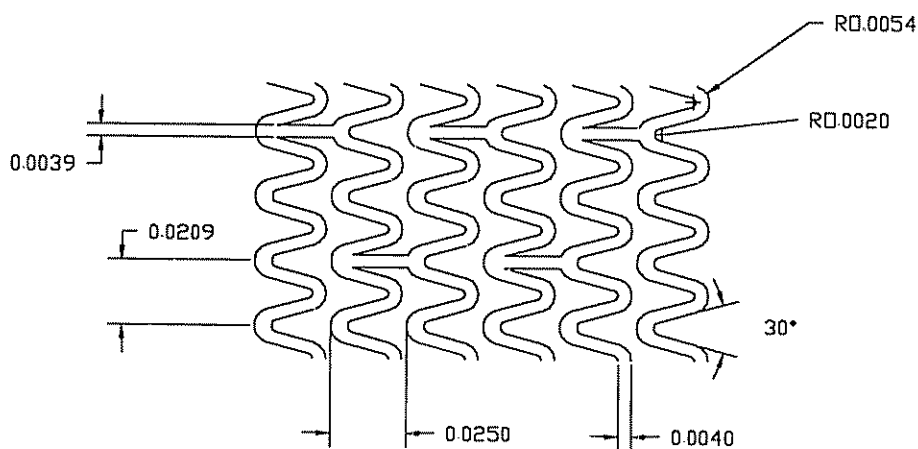
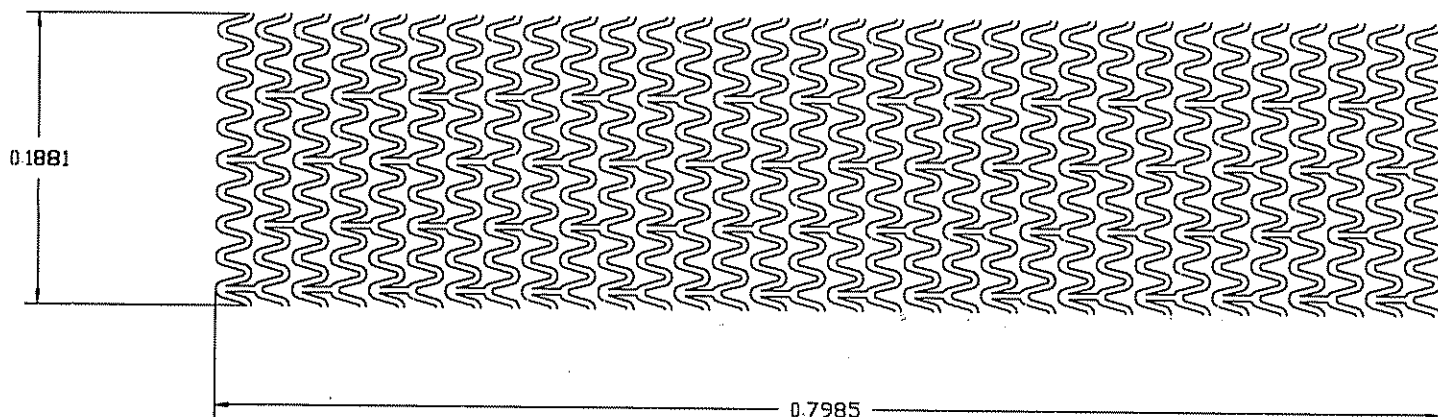


Zig-Zag Rings
LL 6/4/1990

view of a tube if it were cut along its length and flattened. The interconnecting bars between the hoops are meant to hold the structure together for etching and may be cut out to achieve the desired stent structure. The tube would be expanded into an artery on a PTA balloon. The deformation or increase in diameter would result from a plastic deformation

August
1, 1990

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ACS 7/30/90
L. LAU
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08/11/90